

0-36-600327-2

15 September 1966

TYPE II SYSTEM
CONTRACT O-TM-483

Subject: Cage Status Indication

Reference: Air Freight Exercise Meeting - 19 May 1966
Discussion [] Personnel

PROBLEM:

While the present Type II equipment does not indicate cage status on the film, and this status has to be determined from the SC&DM record, it would appear desirable to provide some cage status indication on the material frame to aid in evaluation.

DISCUSSION:

Original design of the Type II equipment was such that whenever the units were caged, the time track recording was inhibited. [] determined that the time track was required at all times, regardless of cage status, and the equipment logic was so changed.

Users of the material have indicated that some cage status indication would be desirable and would reduce the time spent in correlation with the SC&DM record. After testing a number of schemes, it has been determined that one easy way of indicating caged status is to electronically gate the time track recording lamp on for 25 milliseconds at the time that caging occurs. This would result in an exposed bar (approx. 0.025 inches long) in the time track at the time the units caged. In a continuous caged mode, the marker would appear at the beginning of each frame.

CONCLUSION:

Cage status indication can be added to each material frame in the form of an exposed bar in the time track. The modification is relatively minor and could be accomplished in the field. In-house work required would be the preparation of modification instructions and changing of drawings.

0-36-600327-2

- 2 -

15 September 1966

RECOMMENDATIONS:

It is recommended that the cage status modification be incorporated in the Type II system. If approved, format drawings and the operations manual will be changed accordingly.